

**EXPEDITED PROCEDURE**

**PATENT**

Appl. No. 10/596,457

Response to Final Action of August 12, 2011

Docket No. 2003P02915WOUS

Customer No. 24737

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A method of enabling to identify a specific broadcast driven group of peers among multiple groups of peers on a peer-to-peer network, the method comprising:

providing, via a broadcast network, a specific identifier of multiple identifiers that comprise globally unique group identifiers (group IDs) for linking a content broadcast to the specific broadcast driven group of peers;

deriving, via a network-enabled consumer electronic apparatus, at an end-user site the specific identifier (i) from a further identifier, that comprises a DNS name of (i)(1) a broadcaster/service provider of the content broadcast or (i)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in a broadcast stream of the content broadcast in response to a reception of the content broadcast, and-(ii) from a further identifier, that comprises a DNS name of (ii)(1) a broadcaster/service provider of the content broadcast or (ii)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in an electronic program guide (EPG) in response to selecting the content broadcast from the EPG, and (iii) from a still ~~the~~ further identifier that comprises (iii)(1) a program title being representative of the content broadcast, wherein the further identifier comprises that is used as a first identifier for mapping a peer group identifier (peer group ID) into the derived specific identifier and (iii)(2) a TV-anytime Content Reference Identifier that is resolved into a also used for mapping the peer group ID as part of the step of deriving; and

responsive to the specific identifier being derived, enabling, via the network-enabled consumer electronic apparatus, at the end-user site (i) a broadcast driven virtual private network connection within the peer-to-peer network (ii) to the specific

**EXPEDITED PROCEDURE**

**PATENT**

Appl. No. 10/596,457

Response to Final Action of August 12, 2011

Docket No. 2003P02915WOUS

Customer No. 24737

broadcast driven group of peers (iii) specifically within a context of the content broadcast (iv) to form a corresponding specific broadcast driven virtual private network that improves the scalability of the virtual private network connection of the specific broadcast driven group of peers within the peer-to-peer network (v) by routing messages of the specific broadcast driven group of peers only through members of that group via the mapped peer group ID and not to all peers of the multiple groups of peers on the peer-to-peer network.

2-7. (Canceled).

8. (Currently Amended) A method of identifying a specific broadcast driven group of peers among multiple groups of peers on a peer-to-peer network, the method comprising:

providing, via a broadcast network, a specific one of multiple identifiers that comprise globally unique group identifiers (group IDs) for linking a content broadcast to the specific broadcast driven group of peers;

deriving, via a network-enabled consumer electronic apparatus, at an end-user site the specific identifier of the specific broadcast driven group of peers on a peer-to-peer network (i) from a further identifier, that comprises a DNS name of (i)(1) a broadcaster/service provider of the content broadcast or (i)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in a broadcast stream of the content broadcast in response to a reception of the content broadcast, and (ii) from a further identifier, that comprises a DNS name of (ii)(1) a broadcaster/service provider of the content broadcast or (ii)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in an electronic program guide (EPG) in response to a selection of the content broadcast from the EPG, and (iii) from a still the further identifier that comprises (iii)(1) a program title being representative of the content broadcast, said further identifier comprising that is used

**EXPEDITED PROCEDURE**

**PATENT**

Appl. No. 10/596,457

Response to Final Action of August 12, 2011

Docket No. 2003P02915WOUS

Customer No. 24737

as a first identifier for mapping a peer group identifier (peer group ID) into the derived specific identifier and (iii)(2) a TV-anytime Content Reference Identifier that is resolved into aalso used for mapping the peer group ID; and

linking, via the network-enabled consumer electronic apparatus and the peer-to-peer network, (i) specifically within a context of the content broadcast (ii) a specific broadcast driven virtual private network connection within the peer-to-peer network at the end-user site (iii) the specific broadcast driven group of peers using the specific one of multiple identifiers (iv) to form a corresponding specific broadcast driven virtual private network that improves the scalability of the virtual private network connection of the specific broadcast driven group of peers within the peer-to-peer network (v) by routing messages of the specific broadcast driven group of peers only through members of that group via the mapped peer group ID and not to all peers of the multiple groups of peers on the peer-to-peer network.

9-14. (Canceled).

15. (Currently Amended) An apparatus configured to identify a specific broadcast driven group of peers among multiple groups of peers for use on a peer-to-peer network, comprising:

means for providing a specific one of multiple identifiers that comprise globally unique group identifiers (group IDs) for linking a content broadcast to the specific broadcast driven group of peers;

means for deriving the specific identifier of the specific broadcast driven group of peers on a peer-to-peer network (i) from a further identifier, that comprises a DNS name of (i)(1) a broadcaster/service provider of the content broadcast or (i)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in a broadcast stream of the content broadcast in response to a reception of the content broadcast, and (ii) from a further identifier, that comprises a DNS name of (ii)(1) a

**EXPEDITED PROCEDURE**

**PATENT**

Appl. No. 10/596,457

Response to Final Action of August 12, 2011

Docket No. 2003P02915WOUS

Customer No. 24737

broadcaster/service provider of the content broadcast or (ii)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in an electronic program guide (EPG) in response to a selection of the content broadcast from the EPG, and (iii) from a still ~~the~~ further identifier that comprises (iii)(1) a program title being representative of the content broadcast, ~~the further identifier comprising~~ that is used as a first identifier for mapping a peer group identifier (peer group ID) into the derived specific identifier and (iii)(2) a TV-anytime Content Reference Identifier that is resolved ~~into a~~ also used for mapping the peer group ID; and

means for linking (i) specifically within a context of the content broadcast (ii) a specific broadcast driven virtual private network connection within the peer-to-peer network at an end-user site (iii) the specific broadcast driven group of peers using the specific one of multiple identifiers (iv) to form a corresponding specific broadcast driven virtual private network that improves the scalability of the virtual private network connection of the specific broadcast driven group of peers within the peer-to-peer network (v) by routing messages of the specific broadcast driven group of peers only through members of that group via the mapped peer group ID and not to all peers of the multiple groups of peers on the peer-to-peer network.

16-18. (Canceled).

19. (Currently Amended) A non-transitory computer-readable medium having stored thereon control software for causing a data network apparatus to identify a specific broadcast driven group of peers among multiple groups of peers for use on a peer-to-peer network and operative to:

provide a specific one of multiple identifiers that comprise globally unique group identifiers (group IDs) for linking a content broadcast to the specific broadcast driven group of peers;

**EXPEDITED PROCEDURE**

**PATENT**

Appl. No. 10/596,457

Response to Final Action of August 12, 2011

Docket No. 2003P02915WOUS

Customer No. 24737

derive the specific identifier of the specific broadcast driven group of peers among multiple groups of peers on data peer-to-peer network (i) from a further identifier, that comprises a DNS name of (i)(1) a broadcaster/service provider of the content broadcast or (i)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in a broadcast stream of the content broadcast in response to a reception of the content broadcast, and (ii) from a further identifier, that comprises a DNS name of (ii)(1) a broadcaster/service provider of the content broadcast or (ii)(2) third party groups having a broadcaster negotiated link to the content broadcast, embedded in an electronic program guide (EPG) in response to a selection of the content broadcast from the EPG, and (iii) from a still the further identifier that comprises (iii)(1) a program title being representative of the content broadcast, the further identifier comprising that is used as a first identifier for mapping a peer group identifier (peer group ID) into the derived specific identifier and (iii)(2) a TV-anytime Content Reference Identifier that is resolved into a also used for mapping the peer group ID; and link (i) specifically within a context of the content broadcast (ii) a specific broadcast driven virtual private network connection within the peer-to-peer network at an end-user site (iii) the specific broadcast driven group of peers using the specific one of multiple identifiers (iv) to form a corresponding specific broadcast driven virtual private network that improves the scalability of the virtual private network connection of the specific broadcast driven group of peers within the peer-to-peer network (v) by routing messages of the specific broadcast driven group of peers only through members of that group via the mapped peer group ID and not to all peers of the multiple groups of peers on the peer-to-peer network.

20-21. (Canceled).